

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A distillate fuel additive composition operable to dissolve in a distillate fuel, the additive comprising:

an organometallic manganese compound, an alkyl-substituted succinimide ashless dispersant, and an overbased calcium sulfonate detergent; and

wherein the overbased calcium sulfonate component of the dissolved additive is 116-193 ppm wt/wt of a fuel.

2. (Original) The fuel additive of claim 1 wherein the organometallic manganese compound comprises methylcyclopentadienyl manganese tricarbonyl.

3. (Original) The fuel additive of claim 1 wherein the succinimide is prepared from polyisobutylene succinic anhydride and a polyalkylene polyamine.

4. (Original) The fuel additive of claim 1 wherein the succinimide is prepared from polyisobutylene succinic anhydride and tetraethylenepentamine.

5. (Currently Amended) The fuel additive of claim 1 wherein ~~[[the]]~~ a polyisobutylene of the alkyl-substituted succinimide is prepared from about 850 to 2100 molecular weight polyisobutylene.

6. (Currently Amended) The fuel additive of claim 1 wherein ~~[[the]]~~ a polyisobutylene of the alkyl-substituted succinimide is prepared from about 850 to 1300 molecular weight polyisobutylene.

7. (Currently Amended) The fuel additive of claim 1 wherein ~~[[the]]~~ a polyisobutylene of the alkyl-substituted succinimide is prepared from about 950 molecular weight polyisobutylene.

8. (Currently Amended) The fuel additive of claim 1 wherein the composition comprises an organometallic complex of manganese, an overbased calcium sulfonate detergent, and an ashless alkyl-substituted succinimide dispersant such that when the additive composition is dissolved in ~~[[a]]~~ the distillate fuel, the following relationship is satisfied:

$$-0.159x + 0.243y - 0.0143xy \leq -8.4$$

where

x=concentration of succinimide (in pounds per thousand barrels)

y=concentration of overbased calcium sulfonate (in PTB).

with the following limitations:

x=20-35, and y=10-120.

9. (Original) The fuel additive of claim 1 wherein the overbased calcium sulfonate has a TBN of above about 200.

10. (Original) The fuel additive of claim 1 wherein the overbased calcium sulfonate has a TBN of about 300.

11. (Original) A fuel comprising a major amount of a middle distillate fuel and a minor amount of a fuel additive composition comprising an organometallic manganese compound, an alkyl-substituted succinimide ashless dispersant, and an overbased calcium sulfonate detergent of TBN about 300.

12. (Original) A method for improving the cleanliness of a fuel intake systems by use in the fuel intake system of a fuel containing a distillate fuel additive composition comprising an organometallic manganese compound, an alkyl-substituted succinimide ashless dispersant, and an overbased calcium sulfonate detergent of TBN about 300.